

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 63050455
PUBLICATION DATE : 03-03-88

APPLICATION DATE : 19-08-86
APPLICATION NUMBER : 61192084

APPLICANT : UBE IND LTD;

INVENTOR : UCHIDA HIROSHI;

INT.CL. : C23C 4/18

TITLE : SEALING TREATMENT FOR THERMALLY SPRAYED FILM

ABSTRACT : PURPOSE: To improve the heat resistance and corrosion resistance of a thermally sprayed film, by coating and impregnating a thermally sprayed film of metal or ceramics with polymetalocarbosilane so as to carry out sealing treatment.

CONSTITUTION: An organic solvent in which polymetalocarbosilane is dissolved or dispersed is applied to the thermally sprayed film of metal or ceramics or a substrate on which thermally sprayed film is formed is dipped into the above organic solvent to undergo sealing treatment. When an inorganic filler such as B, Al, etc., is incorporated to this polymetalocarbosilane, the sealing effect can be improved. The amount of polymetalocarbosilane to be used for coating and impregnation is usually regulated to about 0.005~2g per square centimeter of the thermally sprayed film. In this way, the thermally sprayed film excellent in corrosion resistance as well as in heat resistance can be formed.

COPYRIGHT: (C)1988,JPO&Japio